Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

Archaeological Institute of America

AMERICAN JOURNAL OF ARCHAEOLOGY

Second Series

THE JOURNAL OF THE ARCHAEOLOGICAL INSTITUTE OF AMERICA

ISSUED QUARTERLY

WITH ILLUSTRATIONS

Volume XX 1916 Number 4

OCTOBER–DECEMBER

CONCORD, N. H.

PUBLISHED FOR THE INSTITUTE BY

The Rumford Press

NEW YORK: THE MACMILLAN COMPANY

LONDON: MACMILLAN & CO., LTD.

Entered as second-class matter April 8, 1914, at the post office at Concord, New Hampshire, under the Act of March 3, 1879.

American Journal of Archaeology

Second Series

The Journal of the Archaeological Institute of America

EDITORIAL BOARD

Editor-in-Chief.—Professor HAROLD N. FOWLER, of Western Reserve University.

Associate Editors.—Professor GEORGE H. CHASE, of Harvard University (*for the American School of Classical Studies at Athens*); Professor JAMES A. MONTGOMERY, of the Philadelphia Divinity School (*for the American School of Oriental Research in Jerusalem*); Professor ALLAN MARQUAND, of Princeton University (*for Mediaeval and Renaissance Archaeology*); Dr. FREDERICK H. STERNS, of Harvard University (*for American Archaeology*); and Professor WILLIAM N. BATES, of the University of Pennsylvania.

Honorary Editors.—Professor F. W. SHIPLEY, of Washington University (*President of the Institute*); Professor J. R. WHEELER, of Columbia University (*Chairman of the Managing Committee of the School at Athens*); and Professor CHARLES C. TORREY, of Yale University (*Chairman of the Managing Committee of the School in Jerusalem*).

The JOURNAL OF THE ARCHAEOLOGICAL INSTITUTE OF AMERICA was established in 1897. It contains:

Archaeological Papers of the Institute, in the fields of American, Christian, Classical, and Oriental Archaeology.
Papers of the American School of Classical Studies at Athens.
Papers of the American School of Oriental Research in Jerusalem.
Summaries of Archaeological News and Discussions.
Classified Bibliography of Archaeological Books.
Correspondence; Notes and Notices.

Reports of the Institute, including those of the Council, of the Managing Committees of the Schools at Athens, Jerusalem and Santa Fé, and of other Committees of the Institute, and miscellaneous matter in general supplementary to that of the Reports, are issued in the BULLETIN OF THE ARCHAEOLOGICAL INSTITUTE, which appears as an annual volume, dated December.

Communications for the Editors may be addressed to Professor HAROLD N. FOWLER, Western Reserve University, Cleveland, Ohio.

Material for the Department of Archaeological News, Discussions, and Bibliography should be addressed to Professor WILLIAM N. BATES, 220, St. Mark's Square, Philadelphia, Pa.

Subscriptions and advertisements will be received by THE RUMFORD PRESS, Concord, N. H.; by The Macmillan Company, 64–66, Fifth Avenue, New York, N. Y.; and by the General Secretary of the Institute, The Octagon, 1741, New York Avenue, Washington, D. C.

Issued quarterly **ANNUAL SUBSCRIPTION, $5.00** **Single numbers, $1.50**

For the Publications of the Archaeological Institute of America, see the advertising pages.

Volume XX 1916 No. 4

AMERICAN JOURNAL OF ARCHAEOLOGY

Second Series

THE JOURNAL OF THE ARCHAEOLOGICAL INSTITUTE OF AMERICA

Editor-in-Chief
HAROLD NORTH FOWLER

Associate Editors
GEORGE H. CHASE
JAMES A. MONTGOMERY
ALLAN MARQUAND
FREDERICK H. STERNS
WILLIAM N. BATES

CONTENTS

GREEK HEAD OF A GODDESS
REMINISCENCE OF A SATYR PLAY
EARLY CHARIOTS ON ATTIC VASES
HORSE-SHOE ARCHITECTURE
SPANISH CAPITALS
CHALICE FROM ANTIOCH
NOTE ON TWO VASES
THE NOLAN AMPHORA
ARCHAEOLOGICAL DISCUSSIONS (January–June, 1916)

CONCORD, N. H.
PUBLISHED FOR THE INSTITUTE BY
The Rumford Press
NEW YORK: THE MACMILLAN COMPANY
64–66, FIFTH AVENUE
LONDON: MACMILLAN & CO., LTD.
Annual Subscription, $5.00 Single Numbers, $1.50
PUBLISHED QUARTERLY

Rumford

CONTENTS

PAGE

ARCHAEOLOGICAL INSTITUTE OF AMERICA:

A GREEK HEAD OF A GODDESS IN THE MUSEUM OF FINE ARTS, BOSTON. [PLATES XVI–XVIII] **L. D. Caskey** 383

A REMINISCENCE OF A SATYR PLAY **William N. Bates** 391

NEW REPRESENTATIONS OF CHARIOTS ON ATTIC GEOMETRIC VASES . . . . . **Eugen v. Mercklin** 397

A NOTE ON THE SO-CALLED HORSE-SHOE ARCHITECTURE OF SPAIN . . . . . **Georgiana Goddard King** 407

THREE NOTES ON CAPITALS . . **Georgiana Goddard King** 417

PRELIMINARY REPORT ON THE GREAT CHALICE OF ANTIOCH CONTAINING THE EARLIEST PORTRAITS OF CHRIST AND THE APOSTLES. [PLATE XIX] **Gustavus A. Eisen** 426

A NOTE ON TWO VASES: *A.J.A.* XX, 1916, pages 132 and 312 . . . . . **Stephen Bleecker Luce, Jr.** 438

AMERICAN SCHOOL OF CLASSICAL STUDIES AT ATHENS:

THE ORIGIN OF THE SHAPE OF THE "NOLAN" AMPHORA **Stephen Bleecker Luce, Jr.** 439

ARCHAEOLOGICAL DISCUSSIONS (January–June, 1916) **William N. Bates, *Editor*** 475

Oriental and Classical Archaeology:—General and Miscellaneous, 475; Egypt, 477; Babylonia and Assyria, 478; Syria and Palestine, 480; Asia Minor, 480; Greece, 482 (Sculpture, 482; Vases and Painting, 486; Inscriptions, 489; Coins, 490; General and Miscellaneous, 490); Italy, 493 (Sculpture, 493; Painting, 494; Inscriptions, 494; Coins, 495; General and Miscellaneous, 496); Spain, 497; France, 497; Germany, 498; Russia, 498; Great Britain and Ireland, 499; Northern Africa, 500.

Early Christian, Byzantine and Mediaeval Art:—General and Miscellaneous, 501; Italy, 502; France, 503; United States, 504.

Renaissance Art:—General and Miscellaneous, 504; Italy, 505; Great Britain, 548; United States, 508.

American Archaeology:—General and Miscellanous, 509.

SPECIAL RATES FOR BACK NUMBERS

OF THE

American Journal of Archaeology

(SECOND SERIES)

AND THE

Bulletin of the Archaeological Institute

Vols. I–IV

TO

NEW MEMBERS OF THE INSTITUTE

AND TO

LIBRARIES

In order to encourage and facilitate the forming of complete sets of the AMERICAN JOURNAL OF ARCHAEOLOGY the Council allows

Members of the Institute who have joined since 1897,

and thus have not received all the volumes of the JOURNAL, to complete their sets by the payment of

One-half the ordinary Price, or $2.50

instead of $5.00 a volume.* Members may obtain back numbers of the Bulletin of the Archaeological Institute at twenty-five cents per number.

Libraries

which shall place the AMERICAN JOURNAL OF ARCHAEOLOGY and ART AND ARCHAEOLOGY upon their lists of periodicals, may obtain the

First Eighteen Volumes of the Journal, 1897-1914, at $45.00 instead of $90.00,
and the First Five Volumes of the Bulletin, 1910-1914, at $5.00 for the Set

Libraries which have partial sets may complete them at the terms offered to members of the Institute.

These offers can remain open only as long as the supply of volumes set apart for the purpose continues.

Correspondence should be addressed to

THE GENERAL SECRETARY,
ARCHAEOLOGICAL INSTITUTE OF AMERICA,
THE OCTAGON WASHINGTON, D. C.

*By special arrangement, the AMERICAN JOURNAL OF ARCHAEOLOGY, First Series, Vols. I–XI (1885–1896), may be obtained at the same rates through the office of the Institute.

Archaeological Institute of America

American School at Athens

THE ARGIVE HERAEUM

BY

CHARLES WALDSTEIN, PH.D., L.H.D., LITT.D.

Director of the American School of Classical Studies at Athens, 1888–92, Slade Professor of Fine Art and Reader in Classical Archaeology at the University of Cambridge, etc., etc.

WITH THE COÖPERATION OF

G. H. CHASE, H. F. DE COU, J. C. HOPPIN, A. M. LYTHGOE
R. NORTON, R. B. RICHARDSON, E. L. TILTON
H. S. WASHINGTON, AND J. R. WHEELER

In two large quarto volumes, with one hundred and forty-four plates and many text-illustrations. Price, thirty dollars

VOL. I. General Introduction, Geology, Architecture, Marble Statuary, and Inscriptions
VOL. II. Terra-Cotta Figurines and Reliefs, Bronzes, Vases, Engraved Stones, Gold and Coins, Egyptian Objects

Subscriptions should be sent to The General Secretary, Archaeological Institute of America, Washington, D. C.

Published by Houghton, Mifflin & Co., Boston, Mass.

Archaeological Institute of America

INVESTIGATIONS AT ASSOS

PLANS, DRAWINGS, AND PHOTOGRAPHS

Made by the Expedition of the Archaeological Institute of America in 1881, 1882, 1883

EDITED, WITH LETTER-PRESS, BY

FRANCIS H. BACON

WITH THE COÖPERATION OF

ROBERT KOLDEWEY AND J. T. CLARKE

Large folio, 21 x 14 in., in five sections, each section to contain about twenty plates with explanatory letter-press.

To be issued in five parts, at five dollars a part.

Subscriptions in Great Britain received by MR. BERNARD QUARITCH, and MESSRS. HENRY SOUTHERAN & Co., of London, and on the continent of Europe by HERR KARL W. HIERSEMANN, of Leipzig.

Subscriptions in America will be received by the Secretary of the Committee of Publication, MR. W. F. HARRIS, 8 Mercer Circle, Cambridge, Mass. Five hundred copies were issued, of which half are already sold.

ART AND ARCHAEOLOGY

An Illustrated Monthly Magazine

has completed its first three volumes and has already won for itself an enviable place in the magazine world. Started by the Archaeological Institute primarily for its lay members, it has already gained a considerable circle of admiring and appreciative readers in the whole field of art and letters.

The purpose of ART AND ARCHAEOLOGY is to give people in an interesting and attractive way the information they wish to have in the wide realm embraced by its name. This information is imparted by interesting reading matter prepared by men and women who are masters in their several fields and by beautiful pictures produced by approved modern processes. Human interest, timeliness, and literary merit are the tests applied in the selection of articles, and artistic quality and appropriateness are the standards in the selection of illustrations.

The contributed articles are of varied interest, embracing the fields of Oriental, Greek, Roman, Christian, Renaissance, and American archaeology and art. Full page illustrations are made an attractive feature. Notes from the various fields and brief paragraphs concerning archaeological discoveries, new books, and other items of current interest are worthy of mention.

The editorial Staff of ART AND ARCHAEOLOGY is as follows:

General Editor: DAVID MOORE ROBINSON, Johns Hopkins University.
Art Editor: WILLIAM H. HOLMES, Smithsonian Institution.
Managing Editor: MITCHELL CARROLL, General Secretary, Archaeological Institute of America.
Associate Editor: RALPH VAN DEMAN MAGOFFIN, Johns Hopkins University.
Contributing Editors: H. RUSHTON FAIRCLOUGH, Stanford University; CHARLES H. WELLER, University of Iowa; ALBERT T. CLAY, Yale University; FREDERICK W. HODGE, Smithsonian Institution; CHARLES T. CURRELLY, Royal Ontario Museum; GEORGE H. EDGELL, Harvard University; GARRETT CHATFIELD PIER, New York; FISKE KIMBALL, University of Michigan.

Sent to all members of the Institute, the subscription being included in the annual fee.

$3.00 THE YEAR FOR NON-MEMBERS 50 CENTS THE COPY

Address

ART AND ARCHAEOLOGY

The Octagon **WASHINGTON, D. C.**